AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended) An AV content processing device for outputting a program section and a commercial message (CM) section at least a portion of an AV content including [[a]] the program section and a commercial message (CM) the CM section, the AV content processing device comprising:

an acquisition unit for acquiring boundary information indicating a boundary between the program section and the CM section, indicating a number of unit CM sections included in the CM section, and indicating a position of each unit CM section;

a purpose reception unit for receiving an instruction of a purpose, selected from reproduction and edit, of the AV content;

a first reception unit for receiving, from a user, an instruction of a purpose, selected from reproduction and edit, for extracting and outputting a predetermined section of the AV content;

a boundary correction unit for, when the predetermined section of the AV content is the program section and the CM section are extracted from the AV content in accordance with the instruction received by the first reception unit, selecting, in accordance with the instruction of the purpose received by the purpose first reception unit and without receiving, from the user, an instruction different from the instruction of the purpose, whether the boundary is shifted in one of a direction causing the CM section to be short and a direction causing the CM section to be long, and for correcting, without receiving an instruction from the user, a content of the boundary information to cause the boundary to shift in accordance with the selected direction of the boundary shift; and

an output control unit for determining, when the instruction of the purpose is received by the first reception unit, the boundary between the program section and the CM section in

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accordance with the corrected boundary information, and extracting and outputting, without receiving an instruction from the user, a section of the AV content indicated by the instruction of purpose and based on the corrected boundary information.

Claim 2 (Currently Amended)   The AV content processing device according to claim 1,

wherein the first reception unit is operable to receive, from the user, a program output instruction for outputting at least a portion of the program section of the AV content and a CM output instruction for outputting at least a portion of the CM section of the AV content,

wherein the boundary correction unit corrects the content of the boundary information to cause the boundary to shift in the direction causing the CM section to be short when ~~the instruction of the purpose received by the purpose reception unit is an instruction for reproduction of the AV content and~~ the program output instruction is received by the first reception unit, and corrects the content of the boundary information to cause the boundary to shift in the direction causing the CM section to be long when ~~the instruction of the purpose received by the purpose reception unit is an instruction for edit of the AV content and~~ the CM output instruction is received by the first reception unit, and

wherein the output control unit extracts and outputs, when the program output instruction is received by the first reception unit, a section identified as a program section according to the corrected boundary information, and extracts and outputs, when the CM output section is received by the first reception unit, a section identified as a CM section according to the corrected boundary information.

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Claim 3 (Previously Presented)   The AV content processing device according to claim 2 further comprising a second reception unit for receiving, from the user, a skip instruction for skipping a portion of the AV content being outputted by the output control unit,

wherein, when the skip instruction is received by the second reception unit during an output of the AV content between a boundary indicating a start point of a CM section according to the boundary information that is not corrected and a boundary indicating a start point of the CM section according to the corrected boundary information, the output control unit causes the output of the AV content to skip to an end point of the CM section according to the corrected boundary information, and

wherein, when the skip instruction is received by the second reception unit during an output of the AV content between a boundary indicating an end point of the CM section according to the boundary information that is not corrected and a boundary indicating the end point of the CM section according to the corrected boundary information, the output control unit causes the output of the AV content to skip to the end point of the CM section according to the boundary information that is not corrected.

Claim 4 (Currently Amended)   The AV content processing device according to claim 1 further comprising a detection unit for calculating a parameter indicating characteristics of one of a sound and an image included in the AV content and for detecting, as a characteristic section, a section of the AV content for which the parameter satisfies a predetermined condition,

wherein the first reception unit is operable to receive, from the user, a characteristics' output instruction for extracting and outputting the characteristic section in the program section,

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wherein the boundary correction unit corrects, when ~~the instruction of the purpose received by the purpose reception unit is an instruction for edit of the AV content and~~ the characteristics' output instruction is received by the first reception unit, the content of the boundary information to cause the boundary to shift in the direction causing the CM section to be long, and

wherein the output control unit extracts and outputs, when the characteristics' output instruction is received by the first reception unit, the characteristic section included in a section identified as a program section, according to the corrected boundary information.

Claim 5 (Currently Amended) The AV content processing device according to claim 1 further comprising a detection unit for calculating a parameter indicating characteristics of one of a sound and an image included in the AV content and for detecting, as a characteristic section, a section of the AV content for which the parameter satisfies a predetermined condition,

wherein the first reception unit is operable to receive, from the user, a characteristics' output instruction for extracting and outputting the characteristic section in the program section,

wherein the boundary correction unit corrects, when ~~the instruction of the purpose received by the purpose reception unit is an instruction for reproduction of the AV content and~~ the characteristics' output instruction is received by the first reception unit, the content of the boundary information to cause the boundary to shift in the direction causing the CM section to be short, and

wherein the output control unit extracts and outputs, when the characteristics' output instruction is received by the first reception unit, the characteristic section included in a section identified as a program section, according to the corrected boundary information.

Claim 6 (Previously Presented)   The AV content processing device according to claim 1,

wherein the acquisition unit further acquires CM number information indicating a

number of unit CM sections included in the CM section and length information indicating a

length of the CM section, and

wherein the boundary correction unit selects an amount of shift performed for a boundary

that indicates a start point of the CM section and for a boundary that indicates an end point of the

CM section, based on the CM number information and the length information of the CM section.

Claim 7 (Previously Presented)   The AV content processing device according to claim 1,

wherein the boundary correction unit selects an amount of shift performed for a boundary that

indicates a start point of the CM section and for a boundary that indicates an end point of the CM

section, based on a length of a program section immediately before the CM section.

Claim 8 (Previously Presented)   The AV content processing device according to claim 1,

wherein the boundary correction unit selects an amount of shift performed for a boundary that

indicates a start point of the CM section and for a boundary that indicates an end point of the CM

section, based on a ratio between a length from a start of the AV content to the CM section and a

length of the entire AV content.

Claim 9 (Previously Presented)   The AV content processing device according to claim 1,

wherein the boundary correction unit corrects, when a predetermined condition is satisfied for

the CM section, the boundary information such that a boundary that indicates a start point of the CM section and a boundary that indicates an end point of the CM section are erased.

Claim 10 (Previously Presented)   The AV content processing device according to claim 1 further comprising a program information acquisition unit for acquiring program information that concerns a program included in the AV content,

wherein the boundary correction unit changes an amount of shift performed for the boundary based on the acquired program information.

Claim 11 (Currently Amended)   An AV content processing method for outputting ~~at least a portion of~~ a program section and a commercial message (CM) section of an AV content including [[a]] the program section and ~~a commercial message (CM)~~ the CM section, the AV content processing method comprising:

acquiring boundary information indicating a boundary between the program section and the CM section, indicating a number of unit CM sections included in the CM section, and indicating a position of each unit CM section;

~~receiving an instruction of a purpose selected from reproduction of the AV content and edit of the AV content;~~

receiving, from a first reception unit used by a user, an instruction ~~for extracting and outputting a predetermined section~~ of a purpose, selected from reproduction and edit, of the AV content;

correcting a boundary, using a boundary correction unit including a processor, by (i) selecting, (a) when the program section and the CM section are extracted from the AV content in

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accordance with the instruction of the purpose received by the first reception unit, (b) in

accordance with ~~a type of the instruction received by the receiving of the instruction for~~

~~extracting and outputting, and in accordance with~~ the instruction of the purpose received by the

first reception unit, and (c) without receiving, from the user, an instruction different from the

instruction of the purpose ~~receiving of the instruction of the purpose~~, whether the boundary is

shifted in one of a direction causing the CM section to be short and a direction causing the CM

section to be long, and (ii) correcting, without receiving an instruction from the user, a content of

the boundary information to cause the boundary to shift in accordance with the selected direction

of the boundary shift; and

determining, when the instruction of the purpose is received by the first reception unit

~~receiving of the instruction~~, the boundary between the program section and the CM section in

accordance with the corrected boundary information, and extracting and outputting, without

receiving an instruction from the user, a section of the AV content indicated by the instruction of

the purpose and based on the corrected boundary information.

Claim 12 (Currently Amended)   A computer-readable recording medium having a program

recorded thereon, the program for outputting ~~at least a portion of~~ a program section and a

commercial message (CM) section of an AV content including [[a]] the program section and ~~a~~

~~commercial message (CM)~~ the CM section, and the program causing a computer to execute a

method comprising:

acquiring boundary information indicating a boundary between the program section and

the CM section, indicating a number of unit CM sections included in the CM section, and

indicating a position of each unit CM section;

~~receiving an instruction of a purpose selected from reproduction of the AV content and edit of the AV content;~~

receiving, from a user, an instruction ~~for extracting and outputting a predetermined section~~ <u>of a purpose, selected from reproduction and edit,</u> of the AV content;

correcting a boundary by (i) selecting,<u> (a) when the program section and the CM section are extracted from the AV content in accordance with the instruction of the purpose received by the receiving of the instruction of the purpose, (b)</u> in accordance with ~~a type of the instruction received by the receiving of the instruction for extracting and outputting, and in accordance with~~ the instruction of the purpose received by the receiving of the instruction of the purpose<u>, and (c) without receiving, from the user, an instruction different from the instruction of the purpose,</u> whether the boundary is shifted in one of a direction causing the CM section to be short and a direction causing the CM section to be long, and (ii) correcting<u>, without receiving an instruction from the user,</u> a content of the boundary information to cause the boundary to shift in accordance with the selected direction of the boundary shift; and

determining, when the instruction<u> of the purpose</u> is received by the receiving of the instruction<u> of the purpose,</u> the boundary between the program section and the CM section in accordance with the corrected boundary information, and extracting and outputting<u>, without receiving an instruction from the user,</u> a section of the AV content indicated by the instruction<u> of the purpose</u> and based on the corrected boundary information.

Claim 13 (Currently Amended)   An integrated circuit used in an AV content processing device for outputting ~~at least a portion of~~<u>a program section and a commercial message (CM)</u>

section of an AV content including [[a]] the program section and ~~a commercial message (CM)~~ the CM section, the integrated circuit comprising:

an acquisition section for acquiring boundary information indicating a boundary between the program section and the CM section, indicating a number of unit CM sections included in the CM section, and indicating a position of each unit CM section;

~~a purpose reception section for receiving an instruction of a purpose, selected from reproduction and edit, of the AV content~~; and

a boundary correction section for (i) receiving, from a user, an instruction ~~for extracting and outputting a predetermined section~~ of a purpose, selected from reproduction and edit, of the AV content, (ii) selecting, (a) when ~~the predetermined section of the AV content is~~ the program section and the CM section are extracted from the AV content in accordance with the received instruction ~~for extracting and outputting the predetermined section of the AV content, and in accordance with the instruction received by the~~ of the purpose, (b) in accordance with the received instruction of the purpose, and (c) without receiving, from the user, an instruction different from the instruction of the purpose ~~reception section~~, whether the boundary is shifted in one of a direction causing the CM section to be short and a direction causing the CM section to be long, and (iii) correcting, without receiving an instruction from the user, a content of the boundary information to cause the boundary to shift in accordance with the selected direction of the boundary shift.